MAR 1 5 2004

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

David Hoyle

Serial No:

09/703,140

Filed:

October 31, 2000

For:

Microprocessor With Rounding Multiply Instructions

Conf. No.: 1023 ECEIVED

Docket No.: TI-30554

Examiner: Mai, Tan V.

Art Unit: 2124

MAR 1 8 2004

LETTER TO THE OFFICIAL DRAFTPERSON

Technology Center 2100

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

MAILING CERTIFICATE UNDER 37 C.F.R. §1.8(a)

I hereby certify that the above correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 10, 2004

Indranil Chowdhury

Please find enclosed the formal drawings for the subject case. Charge any necessary fees to

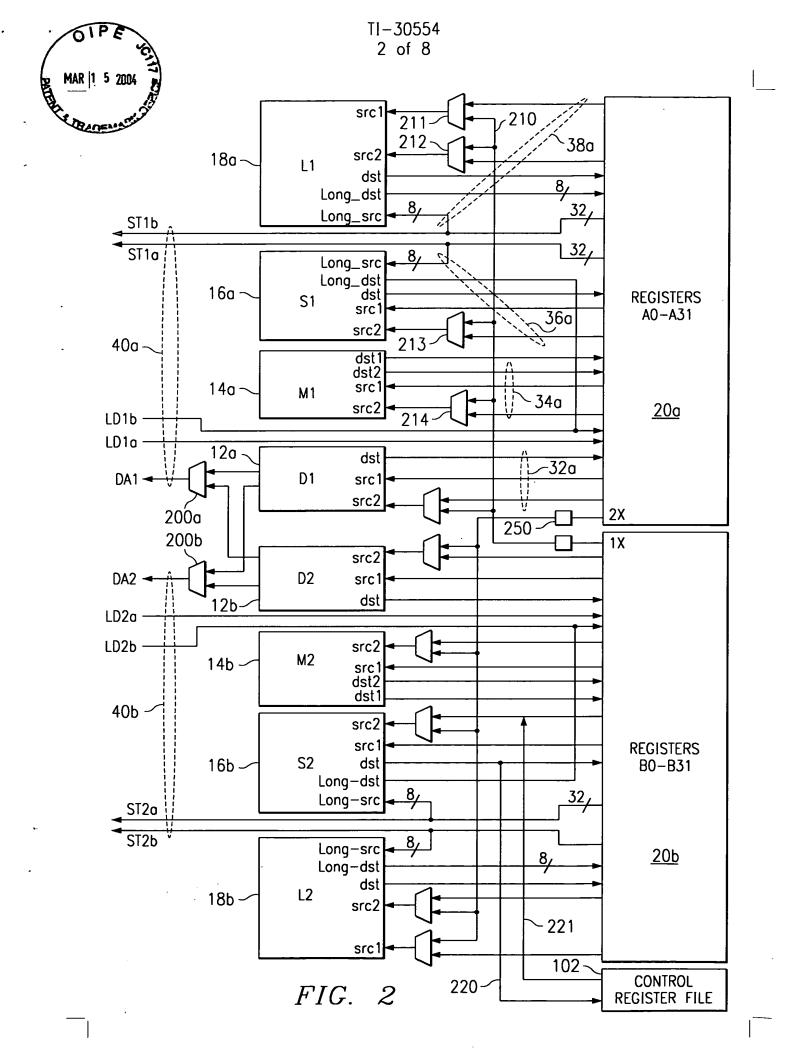
Deposit Account No. 20-0668. This form is submitted in triplicate.

Respectfully submitted,

Indranil Chowdhury Attorney for Applicant

Registration No. 47,490

Robert D. Marshall, Jr. Texas Instruments Incorporated P.O. Box 655474, MS 3999 Dallas, TX 75265 (972) 917-5290





		3A	
		FIG.	
		۵.	
	-	S	
	7	0	
	3	-	
	4	_	
	5	JP	7
	12 11) X	
	13		
OPERATIONS ON THE .L UNIT	17	SRC1/CST	5
	2 18	SCR2	5
	27 23 22	DST	5
<u>S</u>	28	2	
OPERATION	31 29 28 27	CREG	3
	-		-

٩ S 0 S 0 0 മ Р S SRC1/CST S 18 17 SCR2 S 23 22 OPERATIONS ON THE .M UNIT DST S 29 28 27 CREG

		FIG. 3C	
		FI	
	0	Ф	
	-	S	
	7	0	
	~	0	
	4	0	
	2	0	
	စ	-	
	7		
	12	OP.	9
	7 13	SRC1/CST	5
	2 18 1	SCR2	5
OPERATIONS ON THE .D UNIT	27 23 22	DST	5
S	28	2	
OPERATION	31 29 28 27	CREG	3

Д S LD/ST စ ∞ UCST15 LOAD/STORE WITH 15-BIT OFFSET (ON THE .D UNIT) 23 22 DST/SRC ഹ 29 28 27 CREG

3E٩ S LD/ST ∞ 2 თ MODE OFFSET R/UCST5 S LOAD/STORE 'BASER' + 'OFFSETR/CST' ON THE .D UNIT 18.17 2 BASE 23 22 DST/SRC 29 28 27 CREG



	3F			36			3H			3I			31	
	FIG. 3F			FIG.			FIG.			FIG.			FIG. 3J	
6 5 4 3 2 1 0	0 0 0 S P		7 6 5 4 3 2 1 0	1 0 1 0 0 S P		76543210	0P 0 0 1 0 S P	2	7 6 5 4 3 2 1 0	H 1 0 1 0 S P		7 6 5 4 3 2 1 0	0 0 1 0 0 S P	
	0b	9				∞	CSTB	2						
13 12 11	SRC1/CST x	5		CST	16	E .S UNIT 13 12	CSTA	5		DST	16		1	
IT 23 22 18 17	SRC2	5	23 22			BITFIELD OPERATIONS (IMMEDIATE FORMS) ON THE .S UNIT 31 29 28 27 23 22 18 17	SRC2	5	UNIT 23 22				CST	21
The .s unit	DST	ഹ		DST	5	IONS (IMMED)	DST	5	ON THE .S U.	DST	S	THE .S UNIT		
OPERATIONS ON THE .S UNIT 31 29 28 27 2.	CREG Z	3	ADDK ON THE .S UNIT 31 29 28 27	CREG Z	3	BITFIELD OPERATI	CREG · Z	3	MVK AND MVKH ON THE .S UNIT 31 29 28 27 23 22	CREG Z	3	BCOND DISP ON THE .S UNIT 31 29 28 27	CREG Z	3

